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425-020, GYEONGGI-DO, XX (KR).

(71)

CHO, KWANG SUN,  
#906 - 802 Zoogong Green Villa  
Apt. 765 Gojan-dong  
Ansan-shi

(72)

CHO, KWANG SUN (KR).

(74)

BULL, HOUSSER & TUPPER

- (54) SYSTEME, APPAREIL ET METHODE DE COMMUNICATIONS MOBILES SANS FIL UTILISES CONJOINTEMENT AVEC UN SOUTIEN DE RESEAU AD HOC MOBILE  
(54) SYSTEM, APPARATUS AND METHOD FOR WIRELESS MOBILE COMMUNICATIONS IN ASSOCIATION WITH MOBILE AD-HOC NETWORK SUPPORT

(57)

The present invention generally relates to a mobile communication technology combining with AD-HOC, and more specifically, to a mobile communication system configured to include a fixed communication facility for controlling communication between mobile terminal devices such as a transmission mobile terminal device, a reception mobile terminal device and other non-participation mobile terminal devices, and for mediating communication between the transmission mobile terminal device and the reception mobile terminal device. An AD-HOC network is formed between the mobile terminal devices, each device including a second frequency communication means for direct communication. When the AD-HOC network is formed between the transmission mobile terminal device, the reception mobile terminal device and other non-participation mobile terminal devices via the second frequency communication means, the transmission mobile terminal device can communicate with the reception mobile node via the AD-HOC network. Accordingly, the disclosed wireless mobile communication system can be effectively operated with reduced communication cost.

